

Abstract

Bidirectional hydraulic pump that comprises a hydraulic  
5 body (1) comprising an inlet port (2) from which receives  
a water flow, a first outlet port (3) and a second outlet  
port (4); an impeller housed in said hydraulic body (1),  
which causes the water flow to move in either one  
direction or the other; and a valve body (5) that  
10 surrounds the impeller. The valve body (5) comprises at  
least one orifice (6) and said valve body (5) is slidable  
on the internal surface of the hydraulic body (1) in one  
direction or the other, due to the action of the water  
flow, between a first position wherein the orifice (6) is  
15 aligned with the first outlet port (3) and a second  
position wherein the orifice (6) is aligned with the  
second outlet port (4).